II. AMENDMENTS TO THE CLAIMS

The following listing replaces any and all prior listings of the claims:

1-6. (Canceled)

7. (Currently amended) A method of evaluating a set of data mining algorithms, the method comprising:

    selecting the set of data mining algorithms, the selecting further comprising:

        selecting a business taxonomy;

        <u>presenting a set of business problem selections based on the selected business taxonomy;</u>

        selecting a business problem <u>from the set of business problem selections</u> ~~based on the business taxonomy~~; and

        selecting the set of data mining algorithms based on the business problem;

    obtaining a set of goals for the set of data mining algorithms, each data mining algorithm in a set of data mining algorithms being configured to solve the set of goals;

    assigning a weight to each goal in the set of goals for the data mining algorithm;

    applying each data mining algorithm to a dataset;

    calculating a performance value for each data mining algorithm based on the set of weights and a set of results for the applying step; and

    storing the set of performance values for use in evaluating the set of data mining algorithms.

8. (Original) The method of claim 7, wherein the selecting step is based on the set of goals.

9. (Canceled)

10. (Original) The method of claim 7, further comprising ranking the set of data mining

algorithms based on the performance values.

11. (Original) The method of claim 7, wherein the assigning step includes:

    identifying a set of error cases for each goal; and

    assigning a weight to each error case in the set of error cases.

12. (Original) The method of claim 7, wherein the set of data mining algorithms includes at least

one data mining algorithm having a first set of parameter values and the at least one data mining

algorithm having a second set of parameter values.

13. (Original) The method of claim 7, further comprising:

    selecting a data mining algorithm in the set of data mining algorithms; and

    generating a data mining model based on the selected data mining algorithm.

14. (Currently amended) A system for evaluating a set of data mining algorithms having a set of

goals, the system comprising:

    at least one processing unit;

    a memory operably associated with the at least one processing unit; and

an evaluation system storable in memory and executable by the at least one processing unit, the evaluation system comprising:

a selection system for selecting the set of data mining algorithms, the selection system further comprising:

a system for selecting a business taxonomy;

a system for presenting a set of business problem selections based on the selected business taxonomy;

a system for selecting a business problem from the set of business problem selections ~~based on the business taxonomy~~; and

a system for selecting the set of data mining algorithms based on the business problem;

an assignment system for assigning a weight to each goal in the set of goals, each data mining algorithm in the set of data mining algorithms being configured to solve the set of goals;

an application system for applying each data mining algorithm to a dataset;

a performance system for calculating a performance value for each data mining algorithm based on the weights assigned to the set of goals and a set of results for the applying; and

a system for storing the set of performance values for use in evaluating the set of data mining algorithms.

15. (Canceled)

16. (Currently amended) The system of claim 14, <u>wherein the evaluation system</u> further <s>comprising</s> <u>comprises</u> a ranking system for ranking the set of data mining algorithms based on the performance values.

17. (Currently amended) The system of claim 14, <u>wherein the evaluation system</u> further <s>comprising</s> <u>comprises</u> a summary system for displaying the performance values for at least some of the set of data mining algorithms to a user.

18. (Currently amended) The system of claim 14, <u>wherein the evaluation system</u> further <s>comprising</s> <u>comprises</u> a generation system for generating a data mining model based on a data mining algorithm selected from the set of data mining algorithms.

19. (Original) The system of claim 14, wherein the application system applies the set of data mining algorithms in parallel.

20. (Currently amended) A program product stored on a recordable medium for evaluating a set of data mining algorithms having a set of goals, which when executed comprises:

program code for selecting the set of data mining algorithms, the program code for selecting further comprising:

program code for selecting a business taxonomy;

<u>program code for presenting a set of business problem selections based on the selected business taxonomy;</u>

program code for selecting a business problem <u>from the set of business problem</u> <u>selections</u> ~~based on the business taxonomy~~; and

program code for selecting the set of data mining algorithms based on the business problem;

program code for assigning a weight to each goal in the set of goals, each data mining algorithm in the set of data mining algorithms being configured to solve the set of goals;

program code for applying each data mining algorithm to a dataset;

program code for calculating a performance value for each data mining algorithm based on the weights assigned to the set of goals and a set of results for the applying; and

program code for storing the set of performance values for use in evaluating the set of data mining algorithms.

21. (Canceled)

22. (Original) The program product of claim 20, further comprising program code for ranking the set of data mining algorithms based on the performance values.